

**STATEMENT OF WORK**  
**Irrigation Water Conveyance - Rigid Gated Pipeline (430HH)**  
**Wyoming**

**These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.**

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**DESIGN****Deliverables:**

1. Design Surveys
  - a. Critical elevations of area to be served.
  - b. Pertinent water surface elevations
  - c. Topography at structure locations
  - d. Soils investigation (can be shown on soils map)
2. Design documentation that will demonstrate that the criteria in NRCS practice standard have been met and are compatible with other planned and applied practices.
  - a. Practice purpose(s) as identified in the conservation plan
  - b. List of required permits to be obtained by the client
  - c. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06)
  - d. Practice standard criteria related computations and analyses to develop plans and specifications including but not limited to:
    - i. Capacity
    - ii. Hydraulics and Appurtenance Design
    - iii. Structure design
    - iv. Trench and Backfill Requirements
    - v. Materials
    - vi. Vegetation
    - vii. Quantity computations
3. Written plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits.
  - a. Overall plan view of conveyance and area to be served
  - b. Location map. (may be combined with a.)
  - c. Plan and profile showing design grade as required
  - d. Structural plans and section views as required
  - e. Location and size of appurtenances
  - f. Gated pipe, diameter and class, code or rating
  - g. Details of installation requirements.
  - h. Table of quantities
4. Design Report and Inspection Plan as appropriate (NEM Part 511, Subpart B Documentation, 511.11 and Part 512, Subpart D Quality Assurance Activities, 512.30 through 512.32).
5. Operation and Maintenance Plan
6. Certification that the design meets practice standard criteria and comply with applicable laws and regulations (NEM Subpart A, 505.03 (a) (3)).
7. Design modifications during installation as required.

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**INSTALLATION****Deliverables**

1. Pre Installation conference with client and contractor.
2. Verification that client has obtained required permits.
3. Staking and layout according to plans and specifications including applicable layout notes.
  - a. Appurtenances location
  - b. Structure layout, alignment and reference stakes.
4. Installation inspection (according to inspection plan as appropriate).
  - a. Actual materials used (Part 512, Subpart D Quality Assurance Activities, 512.33)
  - b. Inspection records

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- c. Profile at critical locations
  - d. Pipe diameter and class, code, or rating
  - e. Size and location of appurtenances
  - f. Dimension and elevation of structures
5. Facilitate and implement required design modifications with client and original designer
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the installation process and materials meets design and permit requirements.

## **CHECK OUT**

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### **Deliverables**

1. As-Built documentation.
  - a. Extent of practice units applied
  - b. Drawings
  - c. Final quantities
2. Certification that the installation meets NRCS standards and specifications and is in compliance with permits (NEM Subpart A, 505.03 (c) (1)).
3. Progress reporting.

## **REFERENCES**

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- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard - Irrigation Water Conveyance Rigid Gated Pipeline, 430hh
- NRCS National Engineering Manual (NEM).
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook